

Thermo Fisher unveils first-of-a-kind CO2 incubator

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The Thermo Scientific Heracell Vios CR CO2 Incubator delivers performance reliability, uniformity of conditions and ease of use to support a range of demanding cell culture applications



Thermo Fisher Scientific has launched a first-in-market CO2 incubator that combines optimal cell growth capabilities with certified cleanroom compatibility, effectively addressing the growing need among biotechnology, biopharmaceutical and clinical laboratories for high-performance incubation systems that meet stringent cleanroom and cGMP standards.

The Thermo Scientific Heracell Vios CR CO2 Incubator expands the Thermo Scientific Cell Therapy Systems (CTS) Series laboratory equipment portfolio with a solution specifically designed for use in GMP environments.

Consistent with Thermo Fisher's history of proven incubator technology, the new system provides optimal cell growth for even the most sensitive high-value cell cultures. This new Vios CR CO2 incubator boasts fully enclosed casing and electronics, minimizing particle emissions in sync with critical particulate control in a Grade A/B cleanroom.

Operating on the patented Thermo Scientific THRIVE active airflow technology, which delivers homogenous cell growth conditions and rapid parameter recovery in less than 10 minutes, the system prioritizes cell culture protection.

Dependable contamination control is enabled through in-chamber HEPA filtration, on-demand 180°C sterilization and an optional 100% pure copper interior chamber.

Featuring a robust stainless-steel exterior and IP54-compliant design, the Vios CR CO2 incubator can withstand the rigorous and repeated cleaning procedures that are integral to effective cleanroom management, enabling long-term use and maximum return on investment.